

Application No.: 09/696274

Docket No.: SMQ-036RCE

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) In a remote control device interfaced with a network, said network having at least one additional device coupled thereto, a method, comprising the steps of:
 - providing a protocol enabling the dynamic retrieval of at least one command codes for said at least one additional device, said protocol being executed by said at least one additional device and said remote control device;
 - dynamically locating and identifying said at least one additional device using said remote control device,
 - dynamically retrieving the command codes for said identified device; and
 - with the protocol, controlling the operations of said identified device using said dynamically retrieved command codes.
2. (Previously Presented) The method of claim 1 wherein said method further comprises the step of sending communications over an Internet Protocol (IP) based network using the protocol.
3. (Previously Presented) The method of claim 1 wherein said method further comprises the step of:
 - dynamically locating and identifying multiple devices with the remote control device using the protocol.
4. (Previously Presented) The method of claim 1 wherein said method further comprises the step of:
 - controlling the operations of multiple devices with the remote control device using the protocol.
5. (Previously Presented) The method of claim 1 wherein said method further comprises the steps of:
 - sending a request using said protocol from said remote control to said identified device for a list of command codes; and
 - receiving at said remote control a list of command codes from the identified device using the protocol.

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6. (Previously Presented) The method of claim 5 wherein said method further comprises the step of:

sending received command codes to said identified device from the remote control device using the protocol.

7. (Previously Presented) The method of claim 1 wherein said method further comprises the step of:

displaying on the display surface of said remote control a list of the identified devices available to a user.

8. (Previously Presented) The method of claim 1 wherein said method further comprises the step of:

selecting a device to control from among those listed on the display surface of the remote control device, said selection performed by a user of the remote control device.

9. (Previously Presented) The method of claim 1 wherein said method further comprises the steps of:

with the protocol, said identified device receiving a request for its command codes from said remote control device, and

with the protocol, said identified device providing said command codes to the remote control device.

10. (Previously Presented) The method of claim 1 wherein said method further comprises the step of:

with the protocol, said identified device providing its command codes and an associated text string for each code to the remote control device in response to a request from the remote control device.

11. (Previously Presented) The method of claim 1 wherein said method further comprises the step of:

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with the protocol, said identified device providing its command codes and an associated graphical image for each command code to the remote control device in response to a request from the remote control device.

12. (Previously Presented) The method of claim 1 wherein said method further comprises the step of:

with the protocol, said identified device providing its command codes and an associated graphical image and text string for each command code to the remote control device, in response to a request from the remote control device.

13. (Previously Presented) The method of claim 1 wherein said method further comprises the step of:

with the protocol, said identified device receiving and executing one of its command codes from said remote control device.

14. (Previously Presented) In a remote control device coupled to a network located within a motor vehicle, said network including at least one additional device coupled thereto, a method, comprising the steps of:

enabling at least one of said additional devices to be dynamically located and identified by the remote control device, and

controlling the operations of said identified device with said remote control device using command codes dynamically retrieved from the identified device with a common protocol known to both the remote control device and said identified device.

15. (Previously Presented) The method of claim 14 wherein said method further comprises the steps of:

with the protocol, sending communications over an Internet Protocol (IP) based network.

16. (Original) The method of claim 14 wherein said remote control device contains a touch pad screen.

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17. (Currently Amended) A medium for use with a remote control device interfaced with a network, said network having at least one additional device coupled thereto, said medium holding computer-executable instructions for performing a method comprising the steps of:

providing a protocol enabling the dynamic retrieval of at least one command codes for said at least one additional device, said protocol being executed by said at least one additional device and said remote control device;

dynamically locating and identifying said at least one additional device using said remote control device;

dynamically retrieving the command codes for said identified device; and

with the protocol, controlling the operations of said identified device using said dynamically retrieved command codes.

18. (Previously Presented) The medium of claim 17 wherein said method further comprises the step of:

with the protocol, sending communications over an Internet Protocol (IP) based network.

19. (Original) The medium of claim 17 wherein said network is located in a motor vehicle.

20. (Original) The medium of claim 17 wherein said remote control device includes a touch pad display screen.

21. (Previously Presented) A system for remotely locating and controlling devices, the system comprising:

a network,

devices being interfaced with the network; and

a remote controller having

a network interface for interfacing the remote controller with the network, and

a processor for providing a protocol to dynamically locate, and identify the devices interfaced with the network, to retrieve dynamically the command codes of the

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devices, and to control operations of the devices by means of the dynamically retrieved command codes.

22. (Previously Presented) The system of claim 21 wherein the remote controller further comprises:

a display for displaying the devices after locating and identifying the devices interfaced with the network, and

buttons for selecting the devices, wherein the buttons simulate the display of the devices.

23. (Previously presented) The system of claim 22 wherein the buttons generates identifications for the devices.

24. (Previously presented) The system of claim 22 wherein the processor sends to a device a request for the command codes in response to a selection of the device by pressing a button corresponding to the device.

25. (Previously presented) The system of claim 22 wherein the display displays the command codes of the controlled device after retrieve the command codes of the controlled device.

26. (Previously presented) The system of claim 25 wherein the buttons simulate the display of the command codes of the controlled device.

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27. (Previously presented) The system of claim 26 wherein the processor sends to a device a command code in response to a selection of the command code by pressing a button corresponding to the command code.